Begin with the End in Mind

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HORIZONTAL FUSION

CATALYST FOR NET-CENTRIC TRANSFORMATION • DEPARTMENT OF DEFENSE

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Transformation

- **“The two truly transforming things might be in information technology and information operating and networking…connecting things in ways that they function totally differently than they had previously.”**

- **“And if that’s possible…then possibly the single most transforming thing in our Force will not be a weapon system, but a set of interconnections and a substantially enhanced capability because of that awareness.”**

- Secretary of Defense Donald Rumsfeld, 9 August 2001

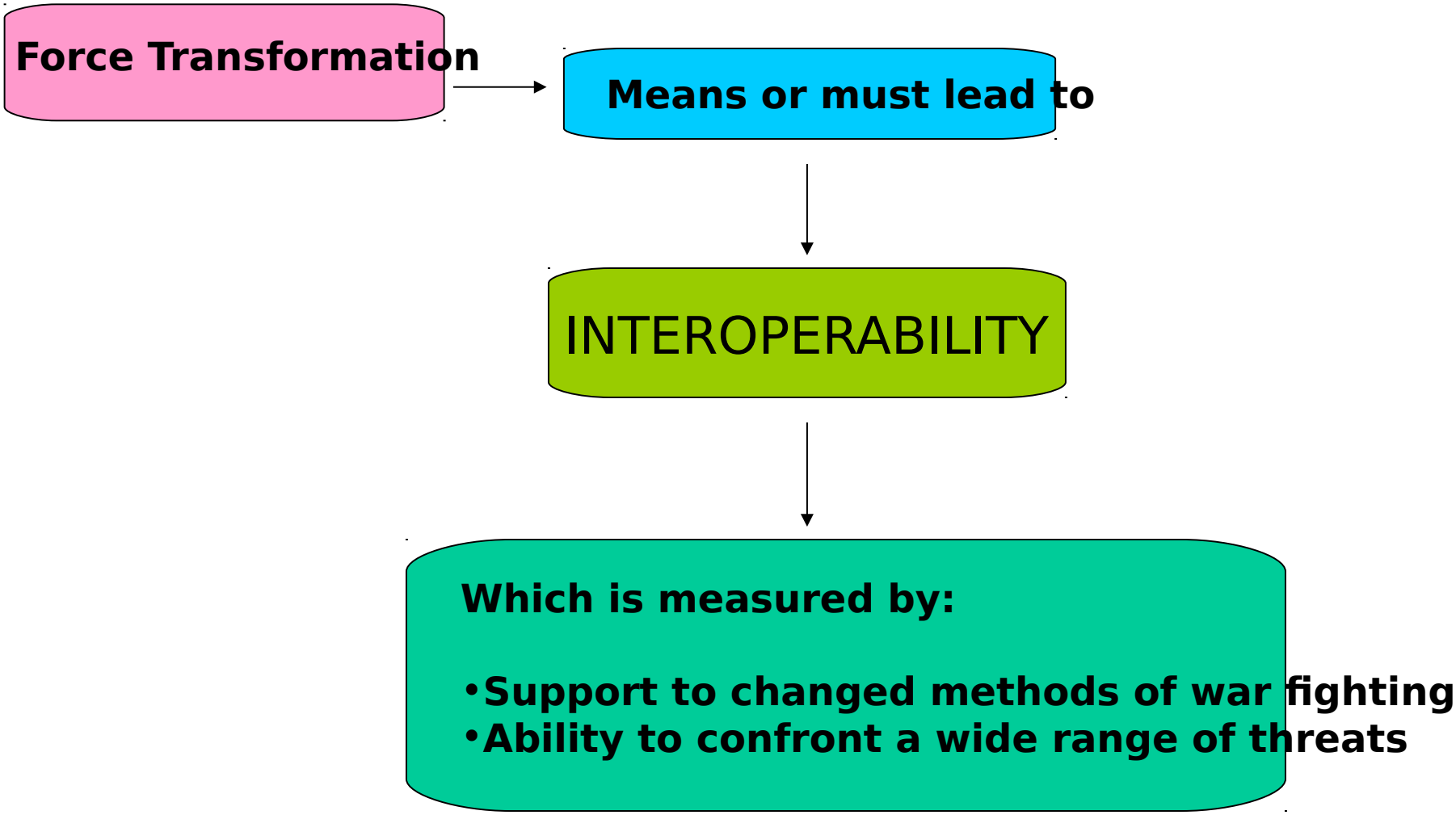
Horizontal Fusion's Role in the Transformation process?

Net-centric Goals Support DoD Transformation

Transformational Capability: *POWER TO THE EDGE*

GOAL One	***Make Information available on a network that people depend on and trust***
GOAL Two	***Populate the network with new, dynamic sources of information to defeat the enemy***
GOAL Three	***Deny the enemy advantages and exploit weaknesses***

Horizontal Fusion's Role in the Transformation process?


Force Transformation
Means or must lead to
INTEROPERABILITY
Which is measured by:
•Support to changed methods of war fighting
•Ability to confront a wide range of threats

Horizontal Fusion's Role in the Transformation process?

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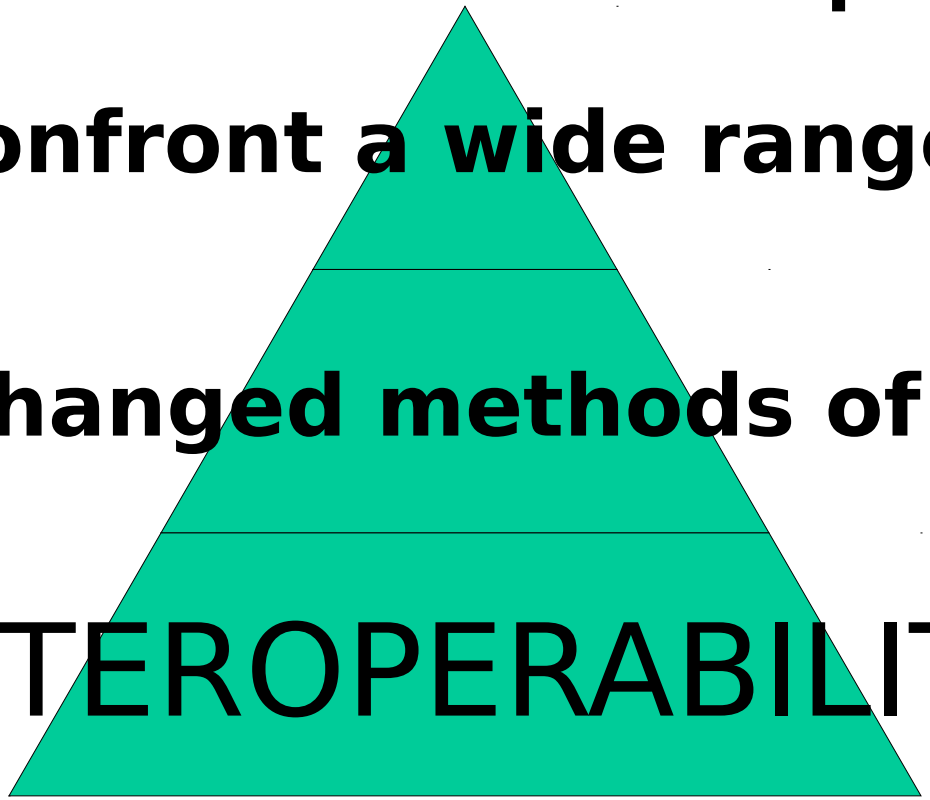

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Net-Centric

Net-centric information capabilities enable analysts and operators to PULL, rapidly exploit and fuse relevant data on the network, regardless of the data origin or format, in a USER-DEFINED way

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Value Added?

The primary focus of the Horizontal Fusion portfolio is the *IMPROVEMENT* of those critical activities that are conducted in the context of *operational intelligence* and *situational awareness*.

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Trusted Network

- **Trusted data content**
  - **Visible, accessible, and useable**
  - **Web-based information transfers published across different security domains**
- **Ensuring trusted data are available for all users**
  - **Confidentiality**
  - **Availability**
  - **Integrity**
  - **Non-repudiation**
  - **ID and authentication**

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Net-Centric

- **Supports a substantially improved situational awareness and shortens decision making cycles**
- **More effectively exploit informational assets**
- **More effectively use resources**
  - **Access to user-defined sets of information**
    - Data alerting subscriptions can be easily changed online in response to various operational scenarios
  - **Immediate determination of info availability and relevance**
  - **Minimize the need to reach back to analysts at higher echelon centers**
  - **Visibility into asset status and near real-time tasking capability**

Transformation Focus and Goals

- **Make your Initiative part of the Net-Centric transformation**
  - **Post data before processing**
  - **Be both a consumer and producer of data**
  - **Become web-enabled**
- **Focus on supporting the Edge-User**
  - **Improve speed of command**
  - **Support the decision making process**
  - **Enhance battlefield situational awareness**
- **Goal is to become operational**
  - **Your Initiative added to *Mars* Portal**
  - **Your data available via the Collateral Space**

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What Makes You Net-Centric?

Compliance with the following DoD Guidance:

a) ***DoD Net-Centric Data Strategy*****, 9 May 2003** ← **The HF "Bible"**

b) ***DoD Net-Centric Attributes List*****, 17 Feb 04**

c) ***DoD Net-Centric Data Collection Instrument*****, DRAFT v.12, Feb 04**

d) ***DoD Net-Centric Checklist*****, v2.1.2, 31 Mar 04**

Expose your DATA or Web Services to the Collateral Space in ways that I can find it !